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(71) Applicant (for all designated States except US): AVECIA
LIMITED [GB/GB]; Hexagon House, Blackley, Manches-
ter M9 8ZS (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): PATEL, Prakash
[GB/GB]; P.O. Box 42, Hexagon House, Blackley, Man-
chester M9 8ZS (GB).

(74) Agents: MORPETH, Fraser, Forrest et al.; Avecia Lim-
ited, Intellectual Property Group, P.O. Box 42, Hexagon
House, Blackley, Manchester M9 8ZS (GB).

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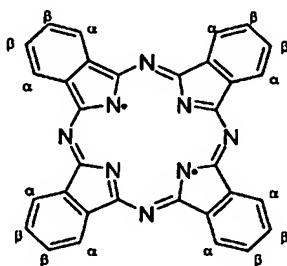
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(54) Title: CYAN INKS AND THEIR USE IN INK-JET PRINTERS



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(57) Abstract: A composition comprising: (a) a major dye component which is a mixture of copper phthalocyanine dyes of Formula (1): $\text{CuPc}\beta\text{-}(\text{SO}_3\text{M})_x\beta\text{-}(\text{SO}_2\text{NH}_2)_y$, Formula (1) wherein: Pc represents a phthalocyanine nucleus of Formula (2); M is a cation; x and y each independently have an average value of from 0.5 to 3.5; $(x+y) = 4$; and the sulfo and sulfonamide substituents are attached to a β -position on the phthalocyanine ring; and (b) a liquid medium which comprises water and an organic solvent or an organic solvent free from water. Also ink-jet printing processes, printed images, ink-jet printers and ink-jet cartridges.